Title (en)

PBCH SCRAMBLING DESIGN

Title (de)

DESIGN ZUM PBCH-SCRAMBLING

Title (fr)

CONCEPTION DE BROUILLAGE DE PBCH

Publication

EP 3682694 B1 20221130 (EN)

Application

EP 18782569 A 20180905

Priority

- US 201762556905 P 20170911
- US 201816121534 A 20180904
- US 2018049610 W 20180905

Abstract (en)

[origin: US2019081827A1] Methods, systems, and devices for wireless communication are described. A base station may generate a sequence for use in scrambling a PBCH. The base station may then partition the sequence into sub-sequences based on a number of SS blocks in a SS block group. The base station may then apply each sub-sequence of the sequence as a scrambling code for the bits associated with the PBCH of a different SS block within a SS block group and transmit at least one SS block scrambled with one of the sub-sequences. A user equipment may decode the PBCH based on the sequence.

IPC 8 full level

H04J 11/00 (2006.01); **H04J 13/00** (2011.01); H04W 48/10 (2009.01)

CPC (source: EP KR US)

H04J 11/0069 (2013.01 - EP KR US); **H04J 13/0022** (2013.01 - EP KR); **H04L 25/03866** (2013.01 - KR US); **H04W 48/10** (2013.01 - KR); **H04W 56/00** (2013.01 - KR US); **H04W 72/0466** (2013.01 - US); H04W 48/10 (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10911271 B2 20210202; **US 2019081827 A1 20190314**; BR 112020004728 A2 20200915; CA 3072475 A1 20190314; CN 111066365 A 20200424; CN 111066365 B 20230630; EP 3682694 A1 20200722; EP 3682694 B1 20221130; JP 2020533885 A 20201119; JP 7221943 B2 20230214; KR 102498655 B1 20230209; KR 20200051621 A 20200513; TW 201921878 A 20190601; TW I772513 B 20220801; WO 2019050991 A1 20190314

DOCDB simple family (application)

US 201816121534 A 20180904; BR 112020004728 A 20180905; CA 3072475 A 20180905; CN 201880058363 A 20180905; EP 18782569 A 20180905; JP 2020514252 A 20180905; KR 20207006784 A 20180905; TW 107131505 A 20180907; US 2018049610 W 20180905